

### REMARKS

The Office Action mailed May 19, 2006 has been received and reviewed. By the present Response and Amendment, Applicant has amended Claims 1, 5, and 6. No new matter has been introduced by virtue of the amendments to Claims 1, 5, and 6.

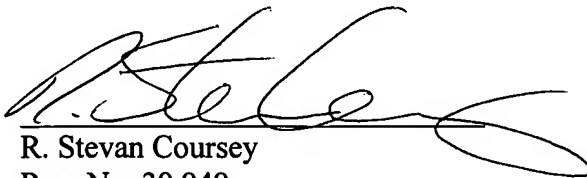
The Office Action objected to Claims 5 and 6 due to certain informalities, but allowed Claims 1-6. Regarding Claim 5, in Line 6 thereof, the Office Action required changing of the word "waves" to the phrase "power in the form of pulses of radio frequency waves." In Line 15 of Claim 5, the Office Action required changing of the phrase "successive said pulses of electrons to produce successive said pulses" to the phrase "successive pulses of said pulses of electrons to produce successive pulses of said pulses." With regard to Claim 6, the Office Action required changing of the words "charged particles" to the word "electrons" in Line 4 thereof. Also, in Line 5 of Claim 6, the Office Action required the addition of a period after the word "section". Responsive thereto, Applicants have amended Claims 5 and 6 as required by the Office Action.

Also, in reviewing the claims while preparing the present response and amendment, Applicants noticed that the first phrase of the preamble of Claim 1 is drawn to "a particle accelerator system for producing a charged particle beam ...", but that the last phrase of the preamble read "said particle accelerator comprising". Therefore, Applicants have amended the last phrase of the preamble to conform it to the first phrase of the preamble by inserting the word "system" between the words "accelerator" and "comprising". Applicants note that this amendment of Claim 1 merely corrects a minor clerical error that was unintentionally made earlier.

### CONCLUSION

In view of the amendments submitted herein and the above remarks, it is believed that the present patent application has been placed in condition for allowance. Thus, Applicant earnestly solicits early and favorable action. In the event that the Examiner has any questions or requires additional information pertaining to the present patent application, the Examiner is urged to contact Applicant's undersigned attorney.

Respectfully submitted,



R. Stevan Coursey  
Reg. No. 39,949

Coursey & Coursey, P.C.  
1930 North Druid Hills Road  
Suite 150  
Atlanta, Georgia 30319  
Tel: (404) 325-1041  
Fax: (404) 728-9210